

Underground Injection Control Program Fact Sheet

SECTION 1.0 FACILITY SUMMARY

APPLICANT	Julia Tate Properties LLC
PERMIT NO.	UI0000360
APPLICATION NO.	202207226
DATE APPLICATION RECEIVED	June 21, 2022
LOCATION ADDRESS	5 Watson Road, Preston, CT 06365
FACILITY CONTACT	Patrick Levantino 936-525-7558 Shsulax16@hotmail.com
MAILING ADDRESS	233 Promenade St. E, Montgomery, TX 77356
PERMIT TERM	10 Years
PERMIT TYPE	Renewal
PERMIT CATEGORY	UIC Class V Injection Well
TREATMENT DESCRIPTION	5W12 Advanced Treatment
OWNERSHIP	Private
COMPLIANCE SCHEDULE	Yes
RECENT ENFORCEMENT HISTORY	Notice of Violation
RECEIVING WATERBODY	Groundwater in the Shewville Brook
WATER QUALITY CLASSIFICATION(S)	GA
DISCHARGE LOCATION(S)	DSN 301-2
DEEP STAFF ENGINEER	Abigail Donahue 860-424-3719

SECTION 2.0 PERMIT FEES

Discharge Code: 312000a Representing: DSN 301-2 Annual Fee: \$1,110

SECTION 3.0 NATURE OF BUSINESS GENERATING DISCHARGE

Julia Tate Properties LLC operates the Hilton Garden Inn, which is a 165-room hotel with an indoor pool, laundry, a lounge area, two conference rooms, four spa and therapy rooms, and a dual-purpose bar and breakfast lounge.

SECTION 4.0 PROJECT HISTORY

4.1 Renewal Application

On June 21, 2022, Application No. 202207226 was received for the reissuance of the domestic sewage subsurface discharge treatment and disposal system permit for the Hilton Garden Inn in Preston, Connecticut. On August 23, 2022, DEEP issued a Notice of Sufficiency for the application.

During DEEP's technical review of the application, it was determined that: (1) the alternative treatment system had not been operating as designed, resulting in effluent limit violations for total nitrogen; (2) maintenance such as the replacement of corroded rails in the influent pump station should have been performed; and (3) the permittee failed to submit the required Discharge Monitoring Reports ("DMR") and the comprehensive audits every two (2) years as required by current iteration of the permit.

On October 1, 2024, DEEP issued a Notice of Violation ("NOV") NOVWRSS24003, for exceeding effluent limits from the treatment system for total nitrogen, failing to submit DMRs, and failing to submit the comprehensive audits. The NOV also noted the need to replace the corroded influent pump station rails. Julia Tate Properties LLC provided a compliance statement on March 14, 2025, and the NOV was closed on April 3, 2025.

4.2 Site Visit

On February 26, 2025, DEEP staff performed a site visit with representatives of the permittee, their consultants, and the newly retained operators of the treatment system. The newly retained operators disclosed that the corroded steel rails for the pump station grinder pumps noted in the NOV had been replaced and the January 2025 DMR was provided. The violations in the NOV were shown to have been addressed appropriately, and the system was in working order.

SECTION 5.0 PROCESS AND TREATMENT DESCRIPTION (by DSN)

Conventional Treatment () Advanced Treatment (X) RECYCLE ()

DSN 301-2 represents the discharge from the existing alternative sewage treatment system consisting of: a septic tank, influent pump station, flow equalization tank, and an extended aeration treatment system with ultraviolet disinfection. Partially treated effluent is then discharged to a low flow pressure distribution system consisting of an 85.2 ft x 175.4 ft pressure dosed leaching bed for a total of 14,944 sq ft of leaching area.

SECTION 6.0 COMPLIANCE SCHEDULE

Does the permit include a compliance schedule? YES (X) NO ()

The proposed permit includes the following compliance schedules:

- 1) To record the permit in the town's land records.
- 2) Submit the results of a detailed permit compliance audit every two years.

SECTION 7.0 BASIS FOR LIMITATIONS, PERMIT STANDARDS OR CONDITIONS

In accordance with section 22a-430 of the Regulations of Connecticut State Agencies ("RCSA"), DEEPs "Guidance for Design of Large-Scale On-Site Wastewater Renovation Systems," (February 2006), and DEEP's review of the permit application and site investigation, there is a need for an alternative wastewater treatment system to protect the ground water from pollution. The alternative wastewater treatment system is designed to treat wastewater and remove pollutants before being discharged to the pressure distribution leaching bed.

7.1 Alternative Wastewater Treatment

The wastewater discharging to the alternative treatment system and entering the leaching bed was designed to meet the following parameters:

- Average daily flow: 11,667 gallons per day
- Maximum daily flow: 17,500 gallons per day
- Daily minimum and maximum: pH: 6.0 – 9.0 s.u.

The effluent quality must meet the following effluent limits.

Table C –Effluent Limits		
Parameter	Average Monthly Limit	Maximum Daily Limit
Biochemical Oxygen Demand _{5-day}	20 mg/L	30 mg/L
Total Suspended Solid	20 mg/L	30 mg/L
Total Nitrogen	10 mg/L	N/A

Monitoring of additional parameters, such as nitrate, has been included in the permit to quantify nitrogen loading and to validate design criteria and year-round operations of the treatment system.

7.2 Leaching Bed Requirements

The leaching bed with the dimensions of 85.2 ft x 175.4 ft, for a total of 14,944 sq.ft is designed to accept 17,500 gallons per day.

The leaching bed and the unsaturated zone beneath it are designed to absorb phosphorus and the absorption rate has been demonstrated through calculations thus limiting the discharge significant concentrations of phosphorus to the groundwater.

Bacteria and virus inactivation is achieved as partially treated wastewater continues to flow through the unsaturated area under the leaching bed and downgradient of it. In accordance with

the DEEPs design criteria, the minimum required travel time for the wastewater to all points of environmental concern is not less than 21 days.

7.3 Groundwater Monitoring Requirements

Groundwater monitoring at the edge of the property is required to ensure the treated domestic wastewater does not cause pollution. Groundwater leaving the site boundaries must meet the primary maximum contaminant levels (MCLs) in the Safe Drinking Water Act. Groundwater will be monitored for the following parameters: depth to groundwater (feet), nitrate, as N (mg/L), nitrite, as N (mg/L), ammonia, as N (mg/L), total Kjeldahl nitrogen, as N (mg/L), and total nitrogen, as N (mg/L), total phosphorus as P (mg/l), pH (standard units), and total coliform.

Three monitoring wells are sampled quarterly at this site.

Monitoring well No. 1 is located in the center of the leach field and is only monitored for groundwater depth. Monitoring well Nos. 2 and 3 are located downgradient of the leach field, close to the property line.

SECTION 8.0 VARIANCES AND WAIVERS

The facility did not request a variance or a waiver.

SECTION 9.0 SUMMARY OF CHANGES MADE TO RE-ISSUED PERMIT

The changes to the permit are as noted below.

1. Requirement to complete an updated Compliance Schedule;
2. Requirement to submit Discharge Monitoring Reports electronically to the DEEP via NetDMR in lieu of hard copy submissions; and
3. Requirement to submit all notifications of non-compliance and follow-up reports electronically through the DEEP online noncompliance reporting system.
4. Table C Effluent Monitoring Requirements the following requirements were added:
 - A requirement to measure and record carbon use on a weekly basis is added.
 - Requirements for ammonia, nitrate nitrogen, nitrite nitrogen, Total Kjeldahl Nitrogen, sucrose, alkalinity, and turbidity were added.

SECTION 10.0 E-REPORTING

The permittee is required to electronically submit discharge monitoring reports.

SECTION 11.0 PUBLIC PARTICIPATION PROCEDURES

11.1 Information Requests

Interested persons may obtain copies of the application from DYMAR, 800 Main Street South, Southbury, CT 06488, Telephone number 203-267-1046

The application is available for inspection by contacting Abigail Donahue at 860-424-3719 or Abigail.Donahue@ct.gov, at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT 06106-5127 from 8:30 AM to 4:00 PM, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request

may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

11.2 Public Comment

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within thirty (30) days of this public notice. Written comments should be directed to Abigail Donahue, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127 or DEEP.UICPermitting@ct.gov. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby and shall hold a hearing upon receipt of a petition signed by at least twenty-five persons. Notice of any public hearing shall be published at least thirty (30) days prior to the hearing.

11.3 Petitions For Hearing

Petitions shall be submitted within thirty (30) days from the date of publication of this public notice and should include the application number noted above and also identify a contact person to receive notifications. Petitions may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Upon receipt of a petition, the Commissioner shall take action as required by relevant laws, including Public Act 25-84, which was effective upon passage in June 2025. The Office of Adjudications will accept electronically-filed petitions for hearing in addition to those submitted by mail or hand-delivered. Petitions with required signatures may be sent to deep.adjudications@ct.gov; those mailed or delivered should go to the DEEP Office of Adjudications, 79 Elm Street, Hartford, CT 06106. If the signed original petition is only in an electronic format, the petition must be submitted with a statement signed by the petitioner that the petition exists only in that form. Original petitions that were filed electronically must also be mailed or delivered to the Office of Adjudications within thirty (30) days of electronic submittal. Additional information can be found at www.ct.gov/deep/adjudications.

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). If you are seeking a communication aid or service, have limited proficiency in English, wish to file an ADA or Title VI discrimination complaint, or require some other accommodation, including equipment to facilitate virtual participation, please contact the DEEP Office of Diversity and Equity at 860-418-5910 or by email at deep.accommodations@ct.gov. Any person needing an accommodation for hearing impairment may call the State of Connecticut relay number - 711. In order to facilitate efforts to provide accommodation, please request all accommodations as soon as possible following notice of any agency hearing, meeting, program, or event.